

ASTD/TDI Project Static Report

Deployment of Remote Excavation System to Core Hole 8 Plume Source Remediation

Focus Area:	Subsurface Contaminants Focus Area	Focus Area Manager: Carl Lanigan, (803) 725-0404
TTP No.:	OR09SS21	Principal Investigator: Dennis Haley, (423) 576-3965
Lead Site:	Oak Ridge	
Project No.:	99-ASTD-07	
Tech ID/TMS No.:		Technology Vendor(s)/Commercial Partner(s): None identified at this time
Related Publication(s):	None	

Web Page(s):

Description: The Remote Excavation System is an Army-issue military vehicle with a backhoe and front-end loader. The system was jointly developed between the DOE Robotics Technology Development Program, the U.S. Army Project for Ammunition Logistics, and ORNL. The system contains tele-robotic features allowing for fully remote control of the backhoe, loader, and driving systems.

Application: The system is designed to excavate highly contaminated soils where stabilization is not an acceptable alternative.

Location(s): ORNL

Technology(ies):

Backhoe, Front-End Loader with Telerobotic Features

	Funding (\$K):	<u>FY-98</u>	<u>FY-99</u>	<u>FY-00</u>	<u>FY-01</u>	<u>Total</u>
TTP No.:	OR09SS21	\$0	\$50	\$922	\$0	\$972
Leverage Source:	U.S. Army					\$37
						<hr style="border: 1px solid black;"/>
					Funding Total (\$K):	\$1,009

Cost Savings (\$M):	<u>Proposal</u>	<u>Deployment Plan/TTP</u>	<u>Current Focus Area Projection</u>
	Pending	Pending	\$347